

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

ANDREAS J. GERRITS

NL 010054

Serial No.

Group Art Unit

Filed: CONCURRENTLY

Ex.

Title: WIDEBAND SIGNAL TRANSMISSION SYSTEM

Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to calculation of the filing fee and examination, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend claims 3, 4, 7, 8, 11, 12, 15, 16, 19 and 20 as follows:

1 3. (Amended) The transmission system (10) according to claim 1,  
2 characterised in that the reconstruction means (48) are arranged  
3 for reconstructing a present frame of the second decoded frequency  
4 band signal from a present frame of the first decoded frequency  
5 band signal and from a previous frame of the second decoded  
6 frequency band signal.

1 4. (Amended) The transmission system (10) according to claim 1,  
2 characterised in that the first frequency band signal and the first  
3 encoded frequency band signal and the first decoded frequency band  
4 signal are signals having a low frequency band and in that the  
5 second frequency band signal and the second encoded frequency band  
6 signal and the second decoded frequency band signal are signals  
7 having a high frequency band.

1 7. (Amended) The receiver (14) according to claim 5,  
2 characterised in that the reconstruction means (48) are arranged  
3 for reconstructing a present frame of the second decoded frequency  
4 band signal from a present frame of the first decoded frequency  
5 band signal and from a previous frame of the second decoded  
6 frequency band signal.

1 8. (Amended) The receiver (14) according to claim 5 ,  
2 characterised in that the first encoded frequency band signal and  
3 the first decoded frequency band signal are signals having a low  
4 frequency band and in that the second encoded frequency band signal  
5 and the second decoded frequency band signal are signals having a  
6 high frequency band.

1 11. (Amended) The method of transmitting an input signal via a  
2 transmission channel (16) according to claim 9, characterised in  
3 that a present frame of the second decoded frequency band signal is  
4 reconstructed from a present frame of the first decoded frequency  
5 band signal and from a previous frame of the second decoded  
6 frequency band signal.

1 12. (Amended) The method of transmitting an input signal via a  
2 transmission channel (16) according to claim 9, characterised in  
3 that the first frequency band signal and the first encoded  
4 frequency band signal and the first decoded frequency band signal  
5 are signals having a low frequency band and in that the second  
6 frequency band signal and the second encoded frequency band signal  
7 and the second decoded frequency band signal are signals having a  
8 high frequency band.

1 15. (Amended) The method of receiving, via a transmission channel  
2 (16), first and second encoded frequency band signals according to  
3 claim 13, characterised in that a present frame of the second  
4 decoded frequency band signal is reconstructed from a present frame  
5 of the first decoded frequency band signal and from a previous  
6 frame of the second decoded frequency band signal.

1 16. (Amended) The method of receiving, via a transmission channel  
2 (16), first and second encoded frequency band signals according to  
3 claim 13, characterised in that the first encoded frequency band  
4 signal and the first decoded frequency band signal are signals  
5 having a low frequency band and in that the second encoded  
6 frequency band signal and the second decoded frequency band signal  
7 are signals having a high frequency band.

1 19. (Amended) The speech decoder (60) according to claim 17,  
2 characterised in that the reconstruction means (48) are arranged  
3 for reconstructing a present frame of the second decoded frequency  
4 band speech signal from a present frame of the first decoded  
5 frequency band speech signal and from a previous frame of the  
6 second decoded frequency band speech signal.

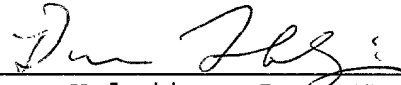
1 20. (Amended) The speech decoder (60) according to claim 17,  
2 characterised in that the first encoded frequency band speech  
3 signal and the first decoded frequency band speech signal are  
4 signals having a low frequency band and in that the second encoded  
5 frequency band speech signal and the second decoded frequency band  
6 speech signal are signals having a high frequency band.

REMARKS

The foregoing amendment to claims 3, 4, 7, 8, 11, 12, 15, 16, 19 and 20 were made solely to avoid filing the claims in the multiple dependent form so as to avoid the additional filing fee.

The claims were not amended in order to address issues of patentability and Applicant respectfully reserves all rights under the Doctrine of Equivalents. Applicant furthermore reserves the right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

Respectfully submitted,

By   
Dicran Halajian, Reg. No.39,703  
Attorney  
(914) 333-9607  
January 15, 2002

## Appendix A

### Version with Markings to Show Changes Made to the Claim

The following are marked up versions of amended claims 3, 4,

7, 8, 11, 12, 15, 16, 19 and 20:

1 3. (Amended) The transmission system (10) according to claim 1  
2 ~~or 2~~, characterised in that the reconstruction means (48) are  
3 arranged for reconstructing a present frame of the second decoded  
4 frequency band signal from a present frame of the first decoded  
5 frequency band signal and from a previous frame of the second  
6 decoded frequency band signal.

1 4. (Amended) The transmission system (10) according to ~~any one~~  
2 ~~of claims 1 to 3~~, characterised in that the first frequency band  
3 signal and the first encoded frequency band signal and the first  
4 decoded frequency band signal are signals having a low frequency  
5 band and in that the second frequency band signal and the second  
6 encoded frequency band signal and the second decoded frequency band  
7 signal are signals having a high frequency band.

1 7. (Amended) The receiver (14) according to claim 5 ~~or 6~~,  
2 characterised in that the reconstruction means (48) are arranged  
3 for reconstructing a present frame of the second decoded frequency  
4 band signal from a present frame of the first decoded frequency  
5 band signal and from a previous frame of the second decoded  
6 frequency band signal.

1 8. (Amended) The receiver (14) according to ~~any one of claims 5~~  
2 ~~to 7~~, characterised in that the first encoded frequency band signal  
3 and the first decoded frequency band signal are signals having a

4 low frequency band and in that the second encoded frequency band  
5 signal and the second decoded frequency band signal are signals  
6 having a high frequency band.

1 11. (Amended) The method of transmitting an input signal via a  
2 transmission channel (16) according to claim 9 ~~or 10~~, characterised  
3 in that a present frame of the second decoded frequency band signal  
4 is reconstructed from a present frame of the first decoded  
5 frequency band signal and from a previous frame of the second  
6 decoded frequency band signal.

1 12. (Amended) The method of transmitting an input signal via a  
2 transmission channel (16) according to ~~any one of claims 9 to 11~~,  
3 characterised in that the first frequency band signal and the first  
4 encoded frequency band signal and the first decoded frequency band  
5 signal are signals having a low frequency band and in that the  
6 second frequency band signal and the second encoded frequency band  
7 signal and the second decoded frequency band signal are signals  
8 having a high frequency band.

1 15. (Amended) The method of receiving, via a transmission channel  
2 (16), first and second encoded frequency band signals according to  
3 claim 13 ~~or 14~~, characterised in that a present frame of the second  
4 decoded frequency band signal is reconstructed from a present frame  
5 of the first decoded frequency band signal and from a previous  
6 frame of the second decoded frequency band signal.

1 16. (Amended) The method of receiving, via a transmission channel  
2 (16), first and second encoded frequency band signals according to  
3 ~~any one of claims 13 to 15~~, characterised in that the first encoded  
4 frequency band signal and the first decoded frequency band signal  
5 are signals having a low frequency band and in that the second

6 encoded frequency band signal and the second decoded frequency band  
7 signal are signals having a high frequency band.

1 19. (Amended) The speech decoder (60) according to claim 17-~~or~~  
2 ~~18~~, characterised in that the reconstruction means (48) are  
3 arranged for reconstructing a present frame of the second decoded  
4 frequency band speech signal from a present frame of the first  
5 decoded frequency band speech signal and from a previous frame of  
6 the second decoded frequency band speech signal.

1 20. (Amended) The speech decoder (60) according to ~~any one of~~  
2 ~~claims 17-~~to~~ 19~~, characterised in that the first encoded frequency  
3 band speech signal and the first decoded frequency band speech  
4 signal are signals having a low frequency band and in that the  
5 second encoded frequency band speech signal and the second decoded  
6 frequency band speech signal are signals having a high frequency  
7 band.